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Aluminum oxide [1344-28-1]

Synonyms: alpha-Alumina; alpha-Alumina trihydrate; Activated Alumina; Aloxite; Alumina; Alumina acidic; Alumina basic; Alumina neutral; Aluminite 37; Aluminum oxide; Aluminum Oxide, Acidic; Aluminum Oxide, Activated; Aluminum Oxide, Basic; Aluminum oxide (fibrous forms); Alundum; Basic alumina; Boileezers; Corundum; Delta alumina; sapphire; sigma-alumina; Theta alumina; gamma-Alumina;

	Tools	OpenChem
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Formula	Al ₂ O ₃	Molecular Weight	101.96128
CAS RN	1344-28-1	Melting Point (°C)	2030
ACX Number	X1000214-5	Boiling Point (°C)	2977
Density	3.97	Vapor Density	
Refractive Index		Vapor Pressure	
Evaporation Rate		Water Solubility	Insoluble
Flash Point (°C)		EPA Code	
DOT Number		RTECS	BD1200000
Comments	White powder or solid		

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Zirconia, ZrO₂

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Subcategory: Ceramic; Oxide, Zirconium

Key Words: Zirconium Oxide

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Physical Properties

	Metric	English	Comments
Density	5.68 g/cc	0.205 lb/in ³	monoclinic
Density	6.1 g/cc	0.22 lb/in ³	tetragonal

Thermal Properties

CTE, linear 20°C	7 µm/m-°C	3.89 µin/in-°F	monoclinic
CTE, linear 20°C	12 µm/m-°C	6.67 µin/in-°F	tetragonal
Thermal Conductivity	1.675 W/m-K	11.6 BTU-in/hr-ft ² -°F	m
Melting Point	2681 - 2847 °C	4860 - 5160 °F	

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Ferric oxide [1309-37-1]

Synonyms: diiron trioxide; C.I. 77491; English iron oxide red; Iron (III) oxide; Ferric oxide; Iron(III) oxide dihydrate; FERRIC OXIDE, 99.99%; FERRIC OXIDE FUME; Ferric oxide red; Iron oxide; Iron oxide (Fe₂O₃); Iron oxide red; Pigment red 101; Red iron oxide; Rouge;

62*	Tools	OpenChem
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	CAS RN Lookup	
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Formula	Fe ₂ O ₃	Molecular Weight	159.6882
CAS RN	1309-37-1	Melting Point (°C)	1538
ACX Number	X1002529-9	Boiling Point (°C)	
Density	5.24	Vapor Density	
Refractive Index		Vapor Pressure	
Evaporation Rate		Water Solubility	insoluble
Flash Point (°C)		EPA Code	
DOT Number	UN 1376	RTECS	NO7400000
Comments	Red-brown fume with a metallic taste		

More information about the chemical is available in these categories:

<http://chemfinder.cambridgesoft.com/result.asp?molid=1309-37-1>

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Lead oxide [1317-36-8]

Synonyms: C.I. 77577; Lead (II) oxide; Lead(II)oxide, yellow; plumbous oxide; Lead monoxide; Lead ocher; Lead oxide; LEAD OXIDE, 99.99%; Lead oxide(mono); Lead oxide (PbO); Lead oxide yellow; Lead protoxide; Litharge; Litharge yellow L-28; Massicot; Massicotite; Pigment yellow 46; Yellow lead ocher;

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	VIEW CHEM3D MODEL	ADD/CHANGE PROPERTY
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Formula	OPb	Molecular Weight	223.1994
CAS RN	1317-36-8	Melting Point (°C)	888
ACX Number	X1000234-7	Boiling Point (°C)	1470
Density	9.53	Vapor Density	
Refractive Index		Vapor Pressure	
Evaporation Rate		Water Solubility	
Flash Point (°C)		EPA Code	
DOT Number	UN 1479	RTECS	OG1750000
Comments			

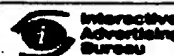
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Lead(II,IV) oxide [1314-41-6]

Synonyms: Lead (II,III) oxide; Lead(II,IV) oxide; Lead oxide; Lead Tetraoxide; Lead tetroxide; Mineral red; orange lead; Red lead oxide;

	Tools	OpenChem
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	VIEW CHEM3D MODEL	ADD/CHANGE PROPERTY
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Formula O_4Pb_3

Molecular Weight 685.5976

CAS RN 1314-41-6

Melting Point (°C) 500

ACX Number X1000235-4

Boiling Point (°C)

Density

Vapor Density

Refractive Index

Vapor Pressure

Evaporation Rate

Water Solubility

Flash Point (°C)

EPA Code

DOT Number

RTECS OG5425000

Comments OXIDIZING
MATERIAL.

More information about the chemical is available in these categories:

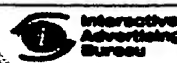
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Zinc oxide [1314-13-2]

Synonyms: C.I. pigment white 4; Flowers of zinc; Zinc oxide; ZINC OXIDE, FUME; Zinc white;

$\text{Zn}=\text{O}$	Tools	OpenChem
	BUY AT CHEMACX.COM	VIEW LINKS
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	VIEW CHEM3D MODEL	ADD CHANGE PROPERTY
	ADD LINK	
	CAS RN Lookup	
	THE MERCK INDEX	
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Formula	OZn	Molecular Weight	81.3894
CAS RN	1314-13-2	Melting Point (°C)	1975
ACX Number	X1002594-6	Boiling Point (°C)	
Density	5.606	Vapor Density	
Refractive Index		Vapor Pressure	
Evaporation Rate		Water Solubility	insoluble
Flash Point (°C)		EPA Code	
DOT Number	1436	RTECS	ZH4810000
Comments	white solid, Color Index = CI 77947		

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Tungsten (IV) Oxide, WO₂

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Subcategory: Ceramic; Oxide, Other

Key Words: WO2

Material Notes:
Blue monoclinic crystals

No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties

	Metric	English	Comments
Density	10.8 g/cc	0.39 lb/in ³	
Molecular Weight	215.84 g/mol	215.84 g/mol	

Electrical Properties

Magnetic Susceptibility	0.000057	0.000057	m ³ /mol
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Thermal Properties

Decomposition Temperature	1500 - 1700 °C	2730 - 3090 °F	
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Descriptive Properties

Color	Blue
Crystal Structure	Monoclinic

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